

could be printed was the next important development. Cramer, who had always been interested in the making of pictures, began to do photographic work with wet plates. The biggest trouble was that we had to prepare our plates right

before taking the picture," he said. "If we went out on the field to take a picture we had to take a wagon with us to carry the apparatus. I remember during the Civil War when I took pictures of army scenes that my silver solution froze and I had to thaw it out before I could go ahead.

"In taking pictures of children there was infinite difficulty because we could not get them to sit still We had to show

wonderful value to surgery. In the Civil War, when a man was wounded the surgeone had to probe for the bullet. Sometimes a bullet would enter a man's chest and be deflected by a rib so it would enter the shoulder. The only way the bullet could be found would be by probing. Sometimes the doctors would probe and probe until they had killed the man. Today in a hospital a wounded man is photographed by the Xray camera. The body is transparent to the X-ray and a picture of the internal organs of the man can be shown. The bullet will stand out clearly in the picture and all the surgeons have to do is to cut straight

to the mark. Wonderful indeed is the ad-

days of the old wet plate sometimes we used to forget to pull the slide when trying to take a picture. One time, when an assistant of mine forgot to pull the slide I told him he was trying to photograph through wood. That, of course, was considered the height of improbability, but today we photograph through

Physicians are aided by the photomicrograph. That is photographing infinitessimally small objects and enlarging them at the same time. Cyanide can be detected in the blood by its means. The photomicrograph can see objects our eyes cannot see with the most powerful microscope. By the photomicrograph we can

foot magnified 60,000 ists only for a moment, and we have times by photography, and no time to study it, even if our telescopes are strong enough. Suppose baseball player in action. He it is a changing sunspot. We can has missed the ball, but the take pictures of the spot and study it on the photographic plate for camera caught it. Lower One of the great educational facleft, X-ray photo of a woman's hand. Lower center, a picture from the wing of an aeroplane. Lower left, a

photo of the moon in its last

tors is the moving picture. We are teaching geography today by moving pictures and giving children an accurate impression of lands they are studying about. The action of a bullet in passing through a piece of or any other substance, can he studied by the moving picture Recently moving picture shows all over the country showed on the screen a bullet passing through a

years if we desire.

piece of cheese. The bullet was so swift the eye could not follow it, but the cinematograph followed it. film was unwound slowly before a On the screen appeared the piece of cheese and the builet slowly traveling through it.

We even are seeing colored mov-tng pictures. Color photography has been highly developed. By this new process things almost in their

why because lightning is so swift. With the camera we have caught lightning and the artist can make reproductions more true to life than ever before.

None can tell what the future will bring forth, but with men of brains all over the world working towards perfection more startling improvements will be witnessed in another decade.